Docket 83990DMW
Customer No. 01333

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of

Alexander C. Loui, et al

METHOD FOR IMAGE REGIONS
CLASSIFICATION USING
UNSUPERVISED AND
SUPERVISED LEARNING

Serial No. US 10/072,756

Filed 07 February 2002

Commissioner for Patents
Washington, D.C. 20231

Group Art Unit: 2621

Examiner:

I hereby certify that this correspondence was sent by
facsimile transmission to the United States Patent and
Trademark Office on the date set forth below.

Robin B. Reeves
Robin G. Reeves

3/7/02
Date

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Sir:

INFORMATION DISCLOSURE STATEMENT FOR CONSIDERATION
BY THE OFFICE UNDER 37 C.F.R. 1.97-1.99

Enclosed herewith are patents and/or publications for
consideration by the Patent and Trademark Office in regard to the invention
claimed in the above-described application. In compliance with §1.56, such
documents are listed in the enclosed Form PTO-1449.

Applicants request that the Patent and Trademark Office make of
record the above-identified documents. Unless otherwise indicated, a full text
copy of each document is attached. For documents not in English, an English
translation or an equivalent English language patent or publication may be
attached. Where a translation is not available, a concise explanation of the
relevance of each document not in English is included either here or in the
specification.

This Information Disclosure Statement (hereinafter "Statement") is
submitted according to the following selected paragraph:

I.   [X]   This Statement is being filed under §1.97(b) within three months of
the filing date of the application (other than a CPA), or before the
mailing of a first Office action on the merits or before the mailing of a
first Office action after the filing of a request for continued
examination.

II. [ ]   This Statement is being filed under §1.97(c), with fee, **prior** to the
mailing date of any of a final action, a notice of allowance or an
action
that otherwise closes prosecution in the application. Please charge the
fee required by §1.17(p) to Eastman Kodak Company Deposit Order
Account Number 05-0225. A duplicate copy of this Certification is
enclosed.

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III. ☐ This Statement is being filed under §1.97(c), with a certification under, §1.97(e) **prior** to the mailing date of any of a final action, a notice of allowance or an action that otherwise closes prosecution in the application. The undersigned hereby states that (check one):

☐ each item of information contained in this Statement was first cited in any communication from a foreign patent office in a counterpart foreign application not more than three months prior to the filing of this Statement.
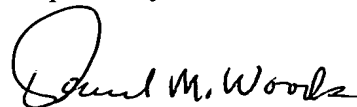
☐ no item of information in this Statement was cited in a communication from a foreign patent office in a counterpart foreign application, and, to the knowledge of the person signing this certification under §1.97(e) after making reasonable inquiry, no item of information contained in this Statement was known to any individual designated in §1.56(c) more than three months prior to the filing of this Statement.

IV. ☐ This Statement is being filed under §1.97(d), with fee and certification under §1.97(e), on or after the mailing date of either a final action, a notice of allowance (but prior to payment of the issue fee) or an action that otherwise closes prosecution in the application. Please charge the fee required by §1.17(p) to Eastman Kodak Company Deposit Order Account No. 05-0225. A duplicate copy of this Certification is enclosed. The undersigned hereby states that (check one):

☐ each item of information in this Statement was first cited in any communication from a foreign patent office in a counterpart foreign application not more than three months prior to the filing of this Statement.

☐ no item of information in this Statement was cited in a communication from a foreign patent office in a counterpart foreign application, and, to the knowledge of the person signing this certification under §1.97(e) after making reasonable inquiry, no item of information contained in this Statement was known to any individual designated in §1.56(c) more than three months prior to the filing of this Statement.

Respectfully submitted,

David M. Woods
Attorney for Applicants
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DMW/RGR

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Enclosures

FORM PTO-1449	US DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE	*Atty. Docket No.* **83990DMW** Customer No. 01333	*Serial No.* *10/072,756*

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If AFTER the later date of the first Office Action or 3 months from filing, use only with Rule 97(E) Certificate or Fee

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LIST OF ART CITED BY APPLICANT (Use several sheets if necessary)	*Applicant:* *Alexander C. Loui, et al*	
	Filing Date *07 February 2002*	*Group*

U.S. PATENT DOCUMENTS

Examiner Initial*	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
	5,675,710	10/7/97	David Dolan Lewis	395	10	6/7/95
	5,754,676	5/19/98	Yasuhiro Komiya et al.	382	132	4/7/95
	5,787,194	7/28/98	Eyal Yair	382	173	12/31/96

FOREIGN PATENT DOCUMENTS

Examiner Initial*	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION YES | NO

OTHER ART (Including Author, Title, Date, Pertinent Pages, Etc.)

	"Texture Features for Browsing and Retrieval of Image Data" by B.S. Manjunath and W.Y. Ma. IEEE Transactions on Pattern Analysis and Machine Intelligence, Vol. 18, No. 8, August 1996, pp. 837-842.
	"Region-Based Image Querying" by C. Carson, S. Belongie, H. Grennspan, and J. Malik. CVPR '97, Workshop on Content-Based Access of Image and Video Libraries, pp. 42-49.
	"A General Framework for Low Level Vision" by Nir Sochen, Ron Kimmel, and Ravikanth Malladi. IEEE Trans. on Image Processing, Vol. 7, No. 3, March 1998, pp. 310-318.
	"Modeling by Shortest Data Description" by J. Rissanen. Automatica, vol. 14, 1978, pp. 465-471.
	"Model Selection and the Principle of Minimum Description Length" by M.H. Hansen, and B. Yu. JASA, Vol 96, No. 454, pp. 746-774.
	"Maximum Likelihood from Incomplete Data Via the EM Algorithm" by A. Dempster, N. Laird, and D. Rubin. J. Royal Statistical Soc., Ser. B, vol. 39, No. 1, pp. 1-38, 1977.

EXAMINER	DATE CONSIDERED

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

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